



CONTACT

Market information
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50 Ohms, Low Loss Weight Coaxial Cable.

Designed for high frequency signal transmission in aircraft electrical systems.

DESIGN CONSTRUCTION

Product designed according to : EN 4604-001, -002 and -009

CORE

Solid silver plated copper clad aluminum
 Diameter : 2.30 ± 0.02 mm

INSULATION

Expanded fluoropolymer
 Diameter : 6.20 ± 0.10 mm

SHIELD

1st layer
 Silver plated copper tape

2nd layer

Braid based on mix of silver plated copper clad aluminum wire and silver plated copper wire
 Strand diameter : 0.13 mm
 Diameter : 6.87 ± 0.20 mm

JACKET

Fluoropolymer

Diameter : 7.65 ± 0.15 mm
 Nominal weight : 85 g/m
 Maximum weight : 95 g/m

IDENTIFICATION

Colour of jacket : Turquoise
 Color of marking : Black

Marking text : " EN KW FRF** "

FR = Country of origin (FR = France)
 F = Manufacturer (F = Lynxéo)
 (**) = Year of manufacturing (i.e. 18 = 2018)



Operating temp.
 -55 ... 180 °C



Static bending rad.
 80 mm



Min. dynamic operating bending rad.
 120.0 mm



Flame retardant
 FAR/JAR part 25 sec 25.869 (a)(4) Appendix F part 1 (3)



Oil resistance
 Very good resistance to aircraft fluids

CHARACTERISTICS**Usage characteristics**

Operating temperature, range	-55 ... 180 °C
Minimum static operating bending radius	80 mm
Minimum dynamic operating bending radius	120.0 mm
Flame retardant	FAR/JAR part 25 sec 25.869 (a)(4) Appendix F part 1 (3)
Oil resistance	Very good resistance to aircraft fluids

ELECTRICAL CHARACTERISTICS

Operating frequency	: up to 6 GHz
Dielectric strength	: 3000 Vac
Operating voltage	: 1000 Vrms max.
Minimum insulation resistance	: 5000 MΩ.km
Characteristic impedance at 200 MHz	: 50 ± 3 Ω
Maximum linear capacitance	: 88 pF/m
Minimum relative velocity of propagation	: 81%
Maximum conductor ohmic resistance	: 7.15 Ω/km
Maximum transfer impedance up to 400 MHz	: 20 mΩ/m

HIGH FREQUENCY PERFORMANCES

Frequency (MHz)	Max. Attenuation at 20°C (dB/100m)	Max. Return loss
50	3.5	1.1
100	5.5	1.1
400	10	1.15
1000	15	1.15
5000	35	1.2
6000	41	1.35

SELLING AND DELIVERY INFORMATION